

### AMENDMENTS TO THE CLAIMS

Applicants submit below a complete listing of the current claims, including marked-up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing. This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for transferring control between a first network interface and at least a second network interface in a multiple network interface device, after the first network interface[[s]] ~~transmits~~ sends an identifier ~~generated by the first network interface~~, the identifier associated with a memory location in the multiple network interface device, to a second device, the identifier and an associated data field capable of being received by the second network interface, the method comprising:

receiving a message from the second network interface [[to]] ~~by~~ a program component, the message indicating the reception of the identifier and the associated data field by ~~from~~ the second device;

passing the identifier to the program component;

querying the first network interface to supply the program component with a list of identifiers ~~generated~~ sent by the first network interface and associated memory locations in multiple network interface device memory;

identifying, by the program component, that the first network interface sent the identifier; and

transmitting a memory location associated with the identifier to the second network interface, the second network interface capable of transmitting the associated data field to the memory location associated with the identifier.

2. (Original) The method of claim 1 wherein the identifier is invalidated under control of a bit field added to the identifier and the associated data field received from the second device.

3. (Original) The method of claim 2 wherein if the identifier has been invalidated, the associated data field is discarded.

4. (Original) The method of claim 1 wherein the memory location is random access memory.

5. (Original) The method of claim 1 wherein the program component is a computer operating system.

6. (Original) The method of claim 1 wherein the first network interface and the second network interface operate under a remote direct memory access (RDMA) protocol.

7. (Original) The method of claim 1 wherein the first network interface and the second network interface operate under a remote direct memory access (RDMA) protocol over TCP/IP protocol.

8. (Currently Amended) A method for transferring control between a first network interface and at least a second network interface in a host computer including the first network interface and the second network interface, the method comprising:

receiving an identifier from a remote computer by the at least a second network interface, the identifier generated sent by the first network interface and associated with a memory location in the host computer;

sending a message to a program component indicating the reception of the identifier, the program component configured to query the first network interface for a list of identifiers generated sent by the first network interface and associated memory locations in the host computer;

passing the identifier received from the remote computer to the program component;  
searching the list of identifiers for the identifier;

if the list of identifiers includes the identifier received from the remote computer, receiving a memory location associated with the identifier; and

if the list of identifiers does not include the identifier received from the remote computer, invalidating the identifier received from the remote computer.

9. (Original) The method of claim 8 wherein the identifier is invalidated under control of a bit field added to the identifier and an associated data field received from the remote computer.

10. (Original) The method of claim 9 wherein if the identifier has been invalidated, the associated data field is discarded.

11. (Original) The method of claim 8 wherein the memory location is random access memory.

12. (Original) The method of claim 8 wherein the program component is a computer operating system.

13. (Original) The method of claim 8 wherein the first network interface and the second network interface operate under a remote direct memory access (RDMA) protocol.

14. (Original) The method of claim 8 wherein the first network interface and the second network interface operate under a remote direct memory access (RDMA) protocol over TCP/IP protocol.

15. (Currently Amended) A computer readable medium having stored therein instructions for performing acts for transferring control between a first network interface and at least a second network interface in a multiple network interface device, after the first network interface ~~transmits~~ sends an identifier ~~generated by the first network interface~~, the identifier associated with a memory location in the multiple network interface device to a second device,

the identifier and an associated data field capable of being received by the second network interface; the acts comprising:

receiving a message from the second network interface [[to]] by a program component, the message indicating the reception of the identifier and the associated data field by ~~from~~ the second device;

passing the identifier to the program component;

querying the first network interface to supply the program component with a list of identifiers generated sent by the first network interface and associated memory locations in multiple network interface device memory;

identifying, by the program component, that the first network interface sent the identifier;  
and

transmitting a memory location associated with the identifier to the second network interface, the second network interface capable of transmitting the associated data field to the memory location associated with the identifier.

16. (Original) The computer readable medium of claim 15 wherein the identifier is invalidated under control of a bit field added to the identifier and the associated data field received from the second device.

17. (Original) The computer readable medium of claim 16 wherein if the identifier has been invalidated, the associated data field is discarded.

18. (Original) The computer readable medium of claim 15 wherein the memory location is random access memory.

19. (Original) The computer readable medium of claim 15 wherein the program component is a computer operating system.

20. (Original) The computer readable medium of claim 15 wherein the first network interface and the second network interface operate under a remote direct memory access (RDMA) protocol.

21. (Original) The computer readable medium of claim 15 wherein the first network interface and the second network interface operate under a remote direct memory access (RDMA) protocol over TCP/IP protocol.

22. (Currently Amended) A computer readable medium having stored therein instructions for performing acts for transferring control between a first network interface and at least a second network interface in a host computer including the first network interface and the second network interface, the method comprising:

receiving an identifier from a remote computer by the at least a second network interface, the identifier generated sent by the first network interface and associated with a memory location in the host computer;

sending a message to a program component indicating the reception of the identifier, the program component configured to query the first network interface for a list of identifiers generated sent by the first network interface and associated memory locations in the host computer;

passing the identifier received from the remote computer to the program component;  
searching the list of identifiers for the identifier;

if the list of identifiers includes the identifier received from the remote computer, receiving a memory location associated with the identifier; and

if the list of identifiers does not include the identifier received from the remote computer, invalidating the identifier received from the remote computer.

23. (Original) The computer readable medium of claim 22 wherein the identifier is invalidated under control of a bit field added to the identifier and the associated data field received from the second device.

24. (Original) The computer readable medium of claim 23 wherein if the identifier has been invalidated, the associated data field is discarded.

25. (Original) The computer readable medium of claim 22 wherein the memory location is random access memory.

26. (Original) The computer readable medium of claim 22 wherein the program component is a computer operating system.

27. (Original) The computer readable medium of claim 22 wherein the first network interface and the second network interface operate under a remote direct memory access (RDMA) protocol.

28. (Original) The computer readable medium of claim 22 wherein the first network interface and the second network interface operate under a remote direct memory access (RDMA) protocol over TCP/IP protocol.